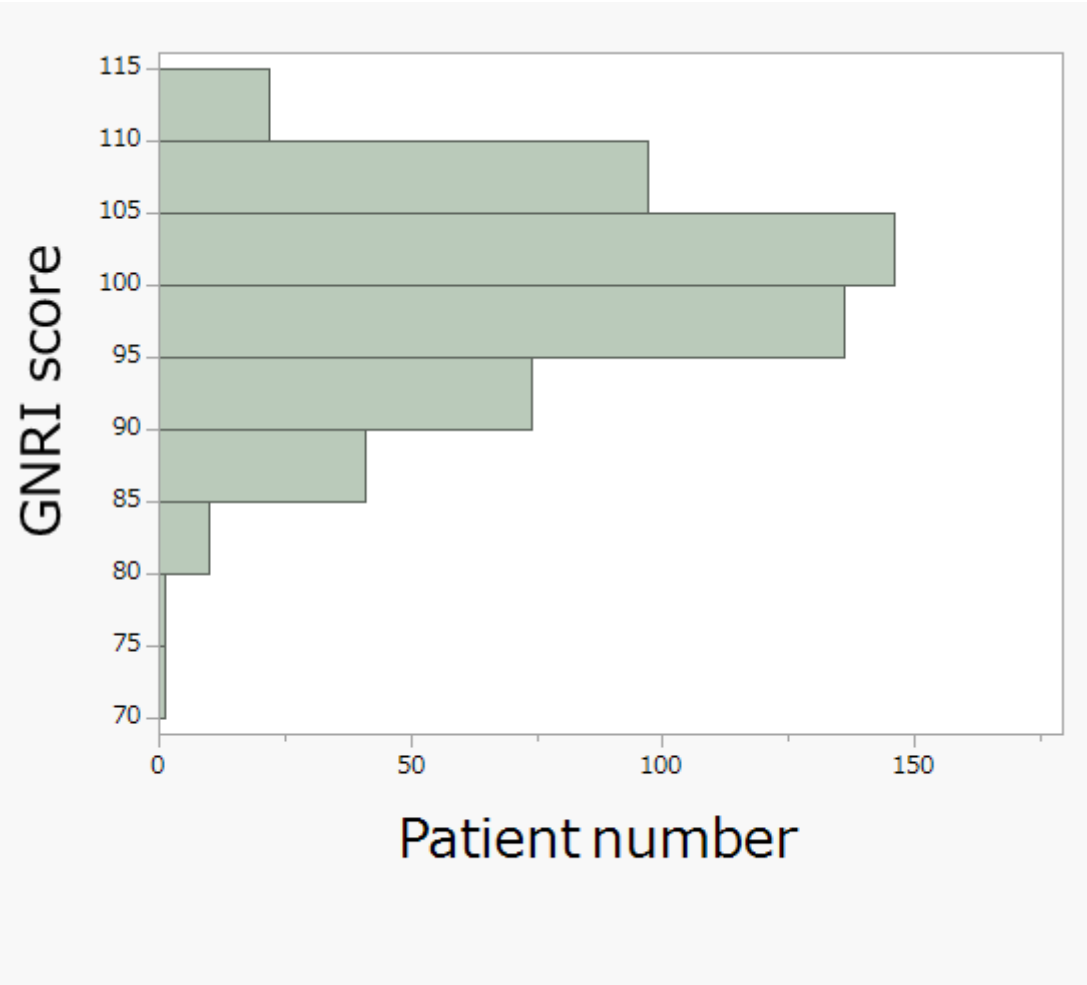


**Geriatric nutritional risk index predicts prognosis in hepatocellular carcinoma
after hepatectomy: a propensity score matching analysis**

Hiroki Kanno, Yuichi Goto, Shin Sasaki, Shogo Fukutomi, Toru Hisaka, Fumihiko

Fujita, Yoshito Akagi, and Koji Okuda

Supplementary figures and tables



Supplementary Figure S1. Distribution of GNRI score in the entire cohort

GNRI, geriatric nutritional risk index

Supplementary Table S1. Clinicopathological characteristics between the two groups in the entire cohort before propensity score matching

Characteristics (n=528)	GNRI low (n=206)	%	GNRI high (n=322)	%	Total	P-value
Age (years), median (range)	72.5 (34-89)		69 (32-89)			0.0002
Sex						0.1680
Male	149	37.3	250	62.7	399	
Female	57	44.2	72	55.8	129	
BMI, median (IQR)	21.4 (19.3-24.4)		23.5 (21.7-25.9)			<.0001
Underlying liver disease						0.9820
Viral (B and/or C)	154	39.0	241	61.0	395	
Non viral (NonBnonC)	52	39.1	81	60.9	133	
DM						0.6658
Yes	66	37.7	109	62.3	175	
No	140	39.7	213	30.3	353	
T.bil (mg/dL), median (IQR)	0.71 (0.56-0.86)		0.76 (0.60-0.93)			0.0150
Albumin (g/dL), median (IQR)	3.63 (3.395-3.77)		4.22 (4.03-4.43)			<.0001
PT (%), median (IQR)	89 (80-98)		94 (85-102)			0.0005
Platelet ($\times 10^4/L$), median (IQR)	14.2 (10.1-19.05)		14.9 (12.0-18.2)			0.0821
AFP (ng/mL), median (IQR)	16.9 (5.4-117.125)		6.6 (3.7-52.4)			0.0001
Child-Pugh						0.0004
A	193	37.7	319	62.3	512	
B	13	81.3	3	18.7	16	
Surgical procedure						0.6789
Major	63	37.7	104	62.3	167	
Minor	143	39.6	218	60.4	361	
Duration of surgery (min), median (IQR)	352 (282-424)		375 (291-470)			0.0126
Estimated blood loss (ml), median (IQR)	362 (1389-653)		357 (124-808)			0.9422
Tumor diameter (mm), median (IQR)	27 (19-40)		25 (18-36)			0.0518
Tumor number						0.0286
Solitary	159	36.8	273	63.2	432	
Multiple	47	49.0	49	51.0	96	
Differentiation						0.6213
well/mod	168	38.5	268	61.5	436	
poor	38	41.3	54	58.7	92	
Microvascular invasion						0.6273
Yes	112	38.1	182	61.9	294	
No	94	40.2	140	59.8	234	
Histological fibrosis grade						0.6581
F0-2	94	37.8	155	62.2	249	
F3-4	109	39.6	166	60.4	275	
missing	3		1			
GNRI, median (IQR)	93.8 (89.9-96.2)		103.4 (100.7-106.4)			<.0001

AFP: alpha-fetoprotein, BMI: body mass index, DM: diabetes mellitus, GNRI: geriatric

nutritional risk index, IQR: interquartile range, PT: prothrombin time, T.bil: total bilirubin